## FORM PTO-1449

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicant** 

Sabine Balthasar, et al.

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Examiner

Group Art Unit:

Title

Carrier System in the Form of Protein-Based Nanoparticles for

the Cell-Specific Enrichment of Pharmaceutically Active

Substances

Attorney File:

RO4304US (#90568)

Mail Stop Amendment Commissioner for Patents P O Box 1450

Alexandria, Virginia, 22313-1450

## **U S PATENT DOCUMENTS**

Examiner	Document			
<u>Initial</u>	Number	Date	Name	
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		U.S. Publishe	d Applications	
Examiner	Document			
<u>Initial</u>	Number	Date	Name	<del> </del>

	Foreign Patent Documents				
Examiner Initial	Document Number	Date	Country	Translation (Yes/No)	
	EP 1598419	11/23/2005	ЕРО	No ,	
	WO 98/56370	12/17/98	WO	No	

	WO 01/91808	12/6/01	WO <sub>.</sub>	No				
	WO 04/076658	9/10/04	WO	No				
	Other Prior Art (I	nc. Author, Tit	le, Date, Perti	nent Pages, Etc)				
Examiner Initial	Document				• •			
	Artemov, et al.; "MR molecular imaging of the Her-2/neu receptor in breast cancer cells using targeted iron oxide nanoparticles;" <i>Magnetic Resonance in Medicine</i> ; Academic Press; Vol. 49, No. 3; March 2003; pp. 403-408 *							
	Bourel, et al.; "A no antibody covalently <i>Journal of Immuno</i>	coupled to flue	orescent poly	methacrylic nand	particles;"			
,	Harma, et al.; "Zeptomole detection sensitivity of prostate-specific antigen in a rapid microtitre plate assay using time-resolved fluorescence;" <i>Luminescence</i> ; Vol. 15, No. 6 (2000); pp. 351-355 *							
<u> </u>	Langer, et al., "Preparation of avidin-labeled protein nanoparticles as carriers for biotinylated peptide nucleic acid;" <i>European Journal of Pharm. &amp; Biopharm</i> ; Vol. 49 (2000); pp. 303-307							
<del></del>	Loiler, S.A., et al., "Targeting Recombinant adeno-associated virus vectors to enhance gene transfer to pancreatic islets and liver;" <i>Gene Therapy</i> ; Sept., 2003; Vol. 10							
<del></del>	Nobs, et al.; "Poly(lactic acid) nanoparticles labelled with biologically active Neutravidin (TM) for active targeting;" <i>European Journal of Pharmaceutics and Biopharmaceutics</i> ; Vol. 58, No. 3; Nov. 2004; pp. 483-490 *							
	Renson, et al., "Recombinant Lipoproteins: Lipoprotein-like lipid particles for drug targeting;" Advanced Drug Delivery Reviews; (2001); pp. 251-276							
	Rolland, et al.; "Monoclonal antibodies covalently coupled to polymethacrylic nanoparticles in-vitro specific targeting to human T lymphocytes;" <i>International Journal of Pharmaceutics</i> ; Vol. 39, No. 1-2 (1987); pp. 173-180 *							
	Sakahara, S.A., et a agents;" Advanced							
<del></del>	Wu, et al.; "Immun	ofluorescent lal	pelling of can	cer marker Her2	and other			

cellular targets with semiconductor quantum dots;" *Nature Biotechnology*; Vol. 21, No., 1; pp. 41-46 \*

Examiner

Date Considered:

Examiner:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

<sup>\* -</sup> denotes a copy will follow

<sup>\*\*\* -</sup> It is noted that WO 2004/076658 contains 133 pages and EP 1598419 contains 83. Therefore, only the first page of each reference is provided. The Applicant can provide the full text of either or both documents at the Examiner's request.